Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/14/2022 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124631	-1	1.50	124505	1.48
Blue	F	SSC	125000	124471	-1	2.90	125051	2.85
Blue	E	FITC	15860	15290	-4	2.17	372	13.74
Blue	D	PE	27718	27266	-2	1.68	635	10.06
Blue	B	PerCP-Cy5-5	38046	37329	-2	2.87	1021	14.60
Blue	A	PE-Cy7	26092	25869	-1	4.70	510	29.65
Red	C	APC	49104	48466	-2	2.65	1706	11.32
Red	A	APC-Cy7	28201	27591	-3	3.07	727	12.29
Violet	B	V450	9904	9459	-5	3.26	526	11.67
Violet	A	V500	39004	37283	-5	2.86	973	8.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23880	1.85	561	-8	N/A	N/A	Pass
Blue	F	SSC	55728	1.57	519	-9	N/A	N/A	Pass
Blue	E	FITC	58	54.24	487	-4	0.0466	95	Pass
Blue	D	PE	125	37.49	493	-3	0.4692	346	Pass
Blue	B	PerCP-Cy5-5	142	41.93	585	-4	0.0203	27	Pass
Blue	A	PE-Cy7	64	92.25	628	-4	0.0231	5	Pass
Red	C	APC	328	26.71	578	-3	0.0286	186	Pass
Red	A	APC-Cy7	97	42.10	551	-4	0.0062	1080	Pass
Violet	B	V450	85	48.84	463	5	0.0517	1879	Pass
Violet	A	V500	122	34.31	474	5	0.0252	1531	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/14/2022 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.96	-31.65	1.01
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.10	13.90 - 20.86	N/A	N/A	30.01	30.24	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9536

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments